

Application Type Amendment  
Facility Type Industrial  
WQM Type Treatment Plant

**WATER QUALITY MANAGEMENT PERMIT  
INTERNAL REVIEW AND  
RECOMMENDATIONS**

Application No. 6715201  
APS ID 274875  
Authorization ID 1146366

**Applicant and Facility Information**

Applicant Name	<u>Hanover Foods Corp</u>	Facility Name	<u>Hanover Foods</u>
Applicant Address	<u>1486 York Street PO Box 334</u> <u>Hanover, PA 17331-0334</u>	Facility Address	<u>1550 York Street</u> <u>Hanover, PA 17331-0334</u>
Applicant Contact	<u>Donald</u>	Facility Contact	<u>Byron</u>
Applicant Phone	<u>(717) 632-6000</u>	Facility Phone	<u>(717) 632-6000</u>
Client ID	<u>62075</u>	Site ID	<u>271646</u>
SIC Code	<u>2033</u>	Municipality	<u>Penn Township</u>
SIC Description	<u>Manufacturing - Canned Fruits And Vegetables</u>	County	<u>York</u>
Purpose of Application	<u>IWTP Upgrade – Amendment 1</u>		

**Internal Review and Recommendations**

The applicant proposes the following:

1. Replacement of the existing influent screening system and pumps.
2. Construction of a new 500,000 gallon EQ Tank (e.g. Surge Tank). Flow will be withdrawn from the wetwell downstream of the screens and re-introduced into the same wetwell.
3. Construction of a second treatment train that mirrors the existing treatment process (110 ft. diameter anaerobic digester/methane stripper/dual 52 ft. diameter clarifiers).
4. Modifications that allow the existing slurry tank to also be utilized as a sludge storage tank.
5. Construction of an alum feed system into the clarifiers for TP removal.
6. Construction of a UV system rated for 1 mgd of flow.

As part of the upgrade, the applicant has requested that the hydraulic and organic capacities of the IWTP be downgraded. The requested new ratings for the influent process wastewater are as follows:

1. AAF = 0.460 mgd (currently 0.730 mgd)
2. MMAF = 0.620 mgd (currently 0.950 mgd)
3. MD = 1.280 mgd (no current rating)
4. PH = 1.380 mgd (no current rating)
5. PI = 1.500 mgd (no current rating)
6. MD Organic Loading = 12,930 lbs BOD<sub>5</sub>/day (currently 21,400 lbs BOD<sub>5</sub>/day)

The existing IWTP has two facultative lagoons. Under this permit, process wastewater and domestic sewage generated on site is to be discharged into only Lagoon #1. Flows are to be withdrawn from Lagoon #1 and sent to Penn Township for additional treatment at a rate not to exceed 450,000 gpd (AAF)/700,000 gpd (MD). In order to comply with their NPDES Permit, it is estimated that no more than 10,000 gpd of flow be transferred (on both an AAF and MMAF basis) from Lagoon #1 to Lagoon #2. Non-contact cooling water is also to be discharged into Lagoon #2. Effluent comprised of non-contact cooling water and Lagoon #1 effluent will be discharged from Lagoon #2 into two polishing ponds. Under the proposed

Approve	Return	Deny	Signatures	Date
X			Aaron Baar / Planning Section	October 6, 2016
			Maria D. Bebenek, P.E. / Program Manager	

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design, effluent from the polishing ponds will be disinfected with the proposed UV disinfection system prior to discharge.

It is noted that due to the existence of a splitter box upstream of the lagoons, it is possible to discharge process wastewater simultaneously into Lagoon #1 and Lagoon #2 or exclusively into Lagoon #2. It is the Department's belief that discharging any more than 10,000 gpd of process wastewater (on both an AAF and MMAF basis) directly into Lagoon #2 may result in NPDES violations.

It is also noted that the proposed flows and loadings are significantly lower than what the existing IWTP experiences. It is the Department's belief that failure to control the hydraulic and organic loadings to permitted levels to the upgraded IWTP may likewise result in NPDES violations.

Planning for the proposed project is not required.

Approval is recommended.